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TITLE : X-ZEOLITE BEAD COMPACT AND ITS PRODUCTION

ABSTRACT : PROBLEM TO BE SOLVED: To produce an X-zeolite bead compact having a high adsorption capacity because of its large pore volume and large pore surface area, also having superior adsorption performance such as a high adsorption rate and excellent in physical properties with regard to strength typified by pressure withstanding strength.

SOLUTION: The X-zeolite bead compact comprises X-zeolite powder having an SiO_2 to Al_2O_3 molar ratio of 2.3-2.7 and a clay binder having a fibrous one-dimensional structure and has ≥ 0.25 cc/g pore volume and ≥ 20 m²/g pore surface area.

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